

## **IN THE CLAIMS**

Please replace any previous listing of the claims with the following replacement listing of the claims:

### **Replacement Listing of the Claims**

1-37. (Canceled)

38. (Previously presented) A computer apparatus for accessing time series data of a process, said apparatus comprising:

a processor and an activity framing program that responds to input data entered by a user to define a data structure,

wherein said activity framing program responds to said input data to define said data structure with a plurality of activities of said process, at least one attribute of a first one of said activities, a definition of said attribute and a tag for a device that produces at least a portion of said time series data that occurs during said first activity, and

wherein said framing program further responds to a request that identifies said first activity and said tag by using said data structure to access said time series data to retrieve said portion of said time series data.

39. (Previously presented) The computer apparatus of claim 38, wherein said data structure is additionally defined by a value attribute that is linked to said device, and wherein said request additionally identifies said value attribute.

40. (Previously presented) The computer apparatus of claim 38, wherein said data structure is additionally defined by an equipment of which said device is a part, and an attribute of said equipment that has a value that is linked to said

device, and wherein said request identifies said first activity and said equipment attribute without identifying said device to retrieve said time series data that is produced by said device and that is framed by said first activity.

41. (Previously presented) The computer apparatus of claim 38, wherein said time series data is stored in a database.

42. (Previously presented) The computer apparatus of claim 41, wherein said data structure is stored in one of said database and a separate memory.

43. (Previously presented) A method for using a computer to access time series data of a process, said method comprising:

operating said computer with an activity framing program in response to input data entered by a user to define a data structure,

wherein said activity framing program responds to said input data to define said data structure with a plurality of activities of said process, at least one attribute of a first one of said activities, a definition of said attribute and a tag for a device that produces at least a portion of said time series data that occurs during said first activity, and

wherein said framing program further responds to a request that identifies said first activity and said tag by using said data structure to access said time series data to retrieve said portion of said time series data.

44. (Previously presented) The method of claim 43, wherein said data structure is additionally defined by a value attribute that is linked to said device, and wherein said request additionally identifies said value attribute.

45. (Previously presented) The method of claim 43, wherein said data structure is additionally defined by an equipment of which said device is a part, and an attribute of said equipment that has a value that is linked to said device, and wherein said request identifies said first activity and said equipment attribute

without identifying said device to retrieve said time series data that is produced by said device and that is framed by said first activity.

46. (Previously presented) A memory media for controlling a computer to process time series data of a process, said memory media comprising:

program instructions of an activity framing program for controlling a computer in response to input data entered by a user to define a data structure, wherein said activity framing program responds to said input data to define said data structure with a plurality of activities of said process, at least one attribute of a first one of said activities, a definition of said attribute and a tag for a device that produces at least a portion of said time series data that occurs during said first activity, and

wherein said framing program further responds to a request that identifies said first activity and said tag to use said data structure to access said time series data to retrieve said portion of said time series data.

47-49. (Canceled)

50. (Previously presented) The computer apparatus of claim 38, wherein each of said activities is something that happens or is planned to happen over a period of time during said process.

51. (Previously presented) The method of claim 43, wherein each of said activities is something that happens or is planned to happen over a period of time during said process.

52. (Previously presented) The memory device of claim 46, wherein each of said activities is something that happens or is planned to happen over a period of time during said process.

53-55. (Canceled)